

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 2004/016793

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02D17/02 F02D35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 33 34 720 A1 (WABCO WESTINGHOUSE FAHRZEUGBREMSSEN GMBH; WABCO VERMOEGENSVERWALTUNGS-G) 4 April 1985 (1985-04-04) page 5, line 31 - page 8, line 12; claim 1; figures	1-3
X	DE 196 04 737 A1 (MERCEDES-BENZ AKTIENGESSELLSCHAFT, 70327 STUTTGART, DE; DAIMLER-BENZ AK) 14 August 1997 (1997-08-14) column 2, line 20 - column 4, line 35; figure 2	1,2
X	US 5 884 603 A (MATSUKI ET AL) 23 March 1999 (1999-03-23) column 1, line 56 - column 2, line 33; claim 1; figures 6,7	1
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the International filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*Z\* document member of the same patent family

Date of the actual completion of the international search

11 February 2005

Date of mailing of the international search report

01/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/162540 A1 (MATTHEWS GREGORY PAUL ET AL) 7 November 2002 (2002-11-07) column 2, lines 16-43; figures 4,5 -----	1
A	US 6 244 242 B1 (GRIZZLE JESSY W ET AL) 12 June 2001 (2001-06-12) column 1, line 59 - column 2, line 13 -----	1

**INTERNATIONAL SEARCH REPORT**  
information on patent family members

International Application No  
**PCT/JP2004/016793**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 3334720	A1	04-04-1985	NONE
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US 6244242	B1	12-06-2001	DE 10049860 A1 21-06-2001 GB 2355496 A ,B 25-04-2001 US 2001013330 A1 16-08-2001